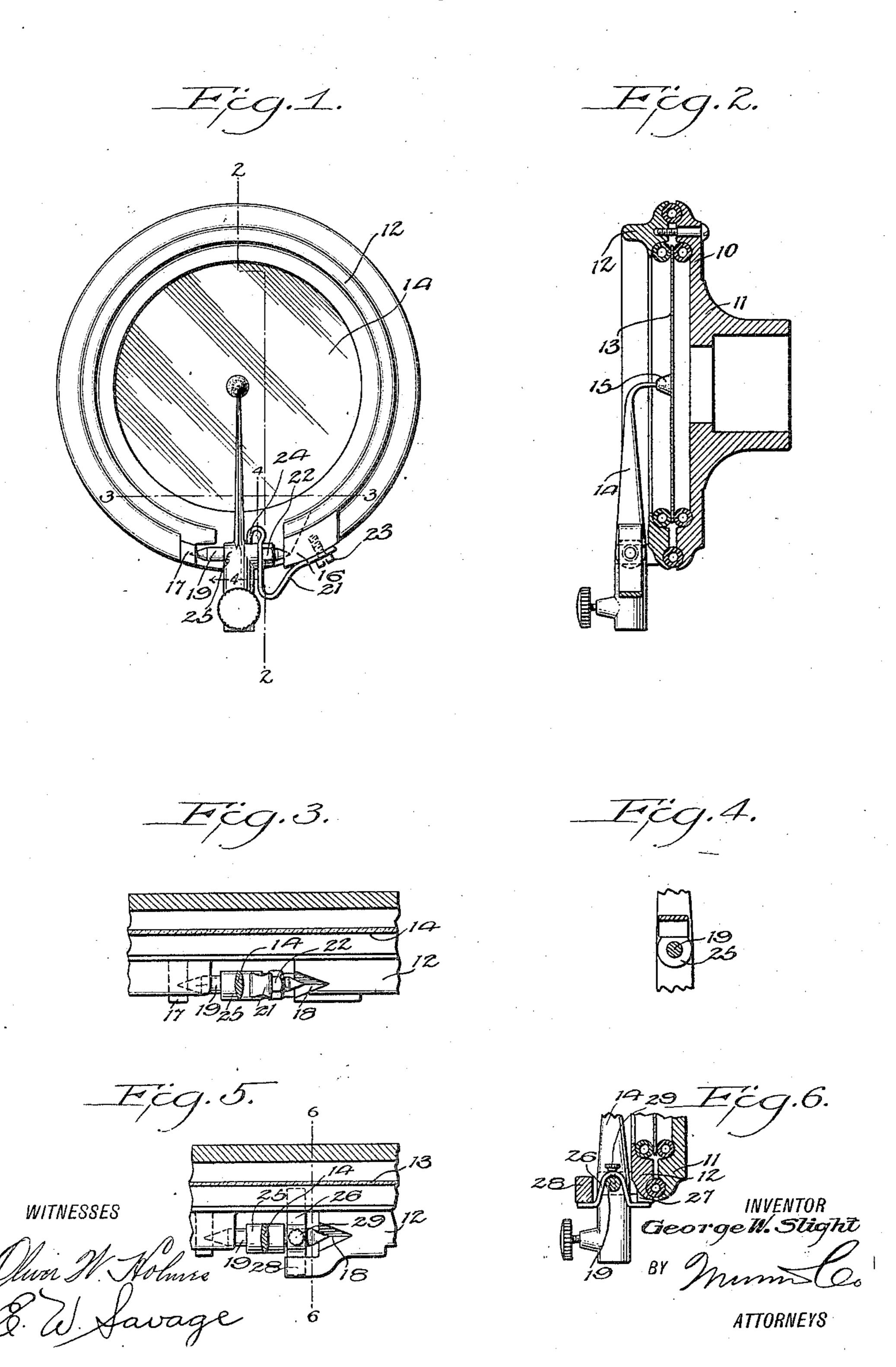
G. W. SLIGHT

MOUNTING FOR STYLUS LEVERS

Filed July 15. 1922



UNITED STATES PATENT OFFICE.

GEORGE W. SLIGHT, OF BROOKLYN, NEW YORK.

MOUNTING FOR STYLUS LEVERS.

Application filed July 15, 1922. Serial No. 575,242.

To all whom it may concern:

5 lyn, in the county of Kings and State of ing the spring in position on the trunnion. clear, and exact description.

stylus levers in sound boxes.

provision of a simple and efficient mounting lever. for stylus levers in sound boxes, provided In the modification shown in Figures 5 70

care of the wear in the bearings.

the trunnion, and mounting on the casing a manner as the preferred construction despring which tends to draw the trunnion scribed above. along the groove to compensate for wear.

These and other objects of the invention will be more clearly understood from the following detailed description and accom-

panying drawings.

Figure 1 is a side elevation of a sound

30 box, showing the mounting;

Figure 2 is a section along the line 2—2, Figure 1;

Figure 3 is a section along the line 3—3, Figure 1;

Figure 4 is a section along the line 4—4, Figure 1;

Figure 5 is a bottom plan view of a modification of the self-compensating mounting; Figure 6 is a section along the line 6—6,

Figure 5.

Referring to the above-mentioned drawings, a casing 10 made up of two sections 11 and 12 has a diaphragm 13 mounted therein. 2. The combination of a sound box casing, A stylus lever 14 is attached to the diaphragm at 15, and is provided with a trun-12 are two lugs 16 and 17. In the lug 17 a cone-shaped bearing is formed for receiving one end of the trunnion 19, while the bearing for the lug 16 is in the form of a said groove to compensate for wear. groove 18, the bottom of which extends at 3. In a sound box including a sound box spring 21, one arm of which has the end 24 bearings formed in said lugs, one of the

o all whom it may concern:

Be it known that I, George W. Slight, has an opening extending through it which a citizen of the United States, and a resident allows the trunnion 19 to project thereof the city of New York, borough of Brook- through, and a nut 22 is provided for clamp- 60 New York, have invented new and useful The end 24 of the spring seats on a hub 25 Improvements in Mountings for Stylus formed near the lower end of the stylus lever Levers, of which the following is a full, 14. Thus it will be seen that as the bearing in the lug 16 is worn away the spring 21 serves 65 This invention relates to mountings for to draw the trunnion along the groove 18, compensating for wear. The spring also The general object of this invention is the increases the speed of vibration of the stylus

15 with a self-compensating means for taking and 6, a U-shaped spring 26, the ends of which seat on projections 27 and 28 formed These objects are accomplished by provid- on the casing 10 carries one end of the ing a stylus lever, having a trunnion ex- trunnion 19 and tends to force it along the tending at right angles thereto, forming groove 18. A screw 29 is provided for attach- 75 20 bearings in the casing, one of which is a ing the spring 26 to the trunnion 19. This groove extending at an angle to the axis of device compensates for wear in the same

I would state in conclusion that while the so illustrated examples constitute practical embodiments of my invention I do not limit myself strictly to the exact details herein illustrated since manifestly the same can be considerably varied without departing from 85 the spirit of the invention as defined in the appended claims.

Claims:

1. A device of the character described, comprising a sound box casing, bearings 90 formed in the casing, one of the bearings being in the form of a groove, a stylus arm provided with a trunnion, said trunnion being pivotally mounted in the bearings formed in the casing, and a spring carried 95 by the casing and engaging the trunnion to move the trunnion along the groove to compensate for wear.

a stylus arm provided with a trunnion, bear- 100 ings carried by the casing for supporting nion 19. Integral with the casing section the trunnion, one of said bearings having a groove extending at an angle to the axis of the trunnion in which the trunnion engages, and means for drawing the trunnion along 105

an angle to the axis of the trunnion 19. The casing and stylus arm, a mounting for the trunnion 19 is mounted in the bearings stylus arm comprising a trunnion attached formed in the lugs 16 and 17. A V-shaped to the stylus arm, lugs carried by the casing, 110 bent back upon itself, is attached to the lug bearings consisting of a groove extending at

an angle to the axis of the trunnion, and a spring carried by the casing and engaging the trunnion serving to draw it along said

groove to compensate for wear.

5 4. A device of the character described, comprising a sound box casing, bearings formed on the sound box casing, one of the bearings being in the form of a groove, a

stylus lever having a trunnion attached thereto mounted in the bearings, the axis of 10 the trunnion being at an angle to the bottom of said groove, and means mounted on the casing serving to draw the end of the trunnion mounted in the groove along the groove to compensate for wear.

GEORGE W. SLIGHT.